SARS-CoV-2 NB.1.8.1 Omicron Variant Recombinant Spike Trimer His Tag

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Applications	Detection	Clonality	Isotype
ELISA	Anti-SARS-CoV-2 mAb	SARS-CoV-2	SARS-CoV-2

Format: His tag

Cross Reactivity: Predicted to work with mouse, rat and other homologues.

Formulation: 1X PBS, 0.09% NaN3, 0.2% BSA

Preparation: His tag purification

Reactivity: Other

Recommended Usage: Control antigen for SARS-CoV-2 (COVID-19) diagnostic assays. Contains C-terminal His tag used for purification.

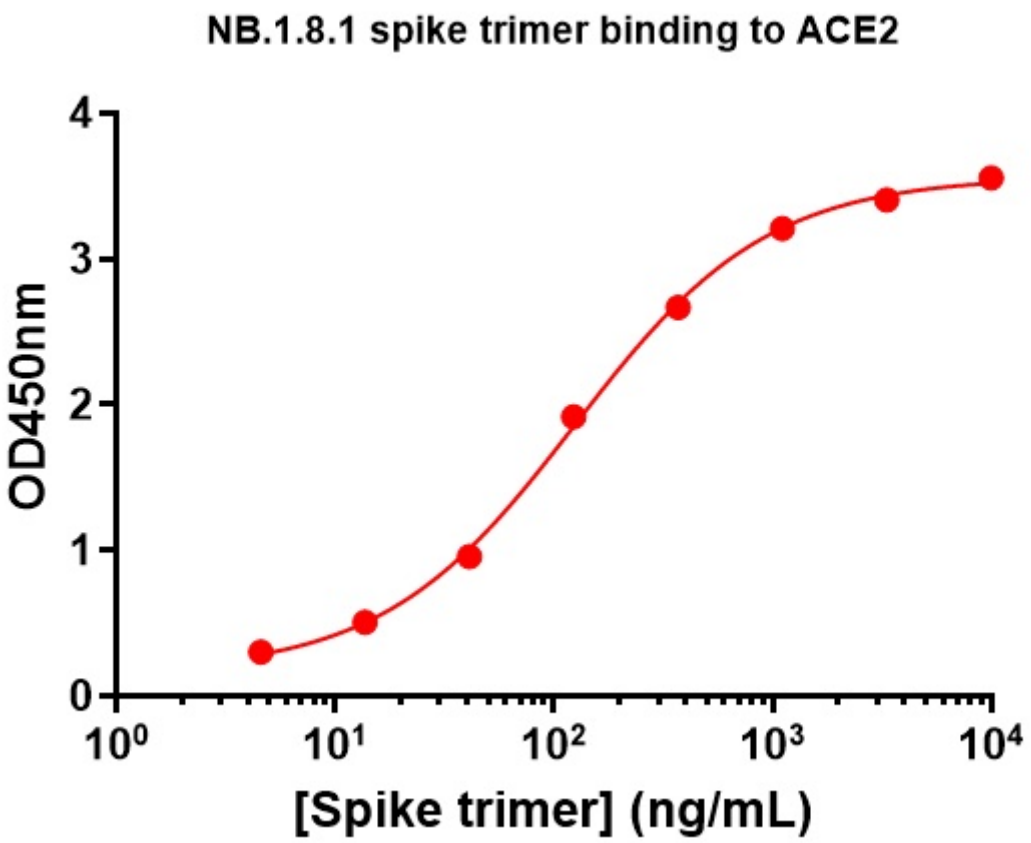
Immunogen: N/A

Description:

References:

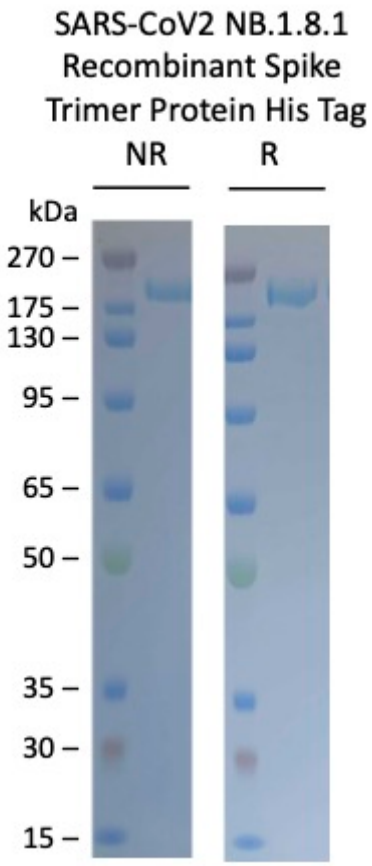
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2. Tang T. et al., 2020, Antiviral Res., 178:10479.
3. Jiang S et al., 2022, Trends Immunol, 41:355-359.
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Concentration/response curves for binding of CoV2 spike protein to human ACE2 in cell-free ELISA-type assays. Microtiter wells were coated with 100 uL of ACE2-Fc at 2 ug/mL in PBS at 4°C overnight. The wells were washed with PBS and blocked with 200 uL of 1% BSA/PBS at RT for 1 hour. Spike trimer was serially diluted from 10 ug/mL in 1% BSA/PBS. The blocker was discarded, and the wells were incubated with 100 uL of serially diluted spike trimer at RT for 1 hour. The wells were washed with PBS and the bound spike trimer was detected with 100 uL of Peroxidase AffiniPure Rabbit Anti-His Tag (Jackson Immuno Research 300-035-240) (1:5,000 in 1% BSA/PBS) at RT for 1 hour. The wells were washed with PBS and the wells were developed with 100 uL of MB/Et Ultra-Sensitive, Blue, Horseradish Peroxidase Substrate (EMD Millipore ES022-500ml) at RT for 5 min. The reaction was stopped with 100 uL of 0.6N H_2SO_4 and the signals were read at 450 nm using a plate reader (Biotek).

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SARS-CoV2 NB.1.8.1
Recombinant Spike
Trimer Protein His Tag
NR
R
kDa
270 –
175 –
130 –
95 –
65 –
50 –
35 –
30 –
15 –

N/A